Abstract

A deinterlacing system which converts an interlaced video stream into a progressive video stream is disclosed. The deinterlacing system includes a field assembly responsive to a last field, a next field, a current field and progressive source phase and operative to develop a progressive output frame, a source detection module responsive to last, next and current fields and operative to develop a progressive source phase and a progressive source detected and an intra-frame deinterlacer responsive to the progressive output frame and the progressive source detected and operative to develop a progressive frame output.